



46586A Electrical Home Installation Trainer is a rugged training system for the Electrical laboratories mounted on Aluminum profile rack with sturdy table top flat panel. Each panel has ABS molded plastic sturdy enclosure with 4mm shrouded connectors showing circuit diagram & its connection tag numbers for easy understanding and connections. The product helps you to get fully acquainted with the basic concepts and functioning of an Electrical Machines & Generator.

Experiments

- 01 To study and measure Line & Phase Voltages
- 02 To study and measure Current in Three Phase Circuits
- 03 To study working of Control Transformer
- 04 To study working of Door Bell System
- 05 To study working of Electric Door Opener System
- 06 To study working of Buzzer System
- 07 To study working of Dimmer (Fan Regulator)
- 08 To study working of Two way Switch
- 09 To study working of Voltage Selector Switch
- 10 To study working of Door Station System
- 11 To study working of Timer Control Lamp System
- 12 To study connection of 1 phase 5 pin Output Socket
- 13 To study connection of 3 phase 5 pin Output Socket

Provide Panels

	Order Code	Qty.
01 Aluminum Trainer Rack	69700	1
02 Input Three Phase DOL Starter Panel	69701	1
03 MCCB Block	69755	1
04 Ammeter / Multifunction meter Panel	69774	1
05 1 Phase Switch/Socket 13A Panel	69775	1

INPUT 3 PHASE DOL STARTER

Panel Order Code - 69701

- 1 MCB 4 Pole 4Amp.
- 2 Pilot lamps for indication R, Y, B phases

Note: Specifications are subject to change.

06	Incandescent Lamp & Mercury Lamp Block	69776	1
07	3 Phase Industrial Socket & 1 Phase Switch/Socket 13A Panel	69777	1
08	Incandescent Lamp Block	69778	1
09	1 Phase Switch/Socket 16A Panel	69779	1
10	Switch Panel - 1	69780	1
11	3 Phase Voltage / Current Selector & Cam Switch Panel	69781	1
12	Stepping Relay Panel	69782	1
13	2 Way 3/4 Terminal 10A Switch Panel	69783	1
14	Switch Panel - 2	69784	1
15	Switch and Transformer Block	69785	1
16	Latch & Timer Relay Panel	69786	1
17	Push Button / Buzzer / Electric Door & Door Bell Panel	69787	1
18	24V / 240V AC Control Relay Panel	69788	1
19	1 Phase Industrial Socket & 1 Phase Switch/Socket 16A Panel	69789	1
20	Voltmeter/Ammeter and Pilot Signaling Lamp Panel	69790	1
21	1 Phase ELCB / MCB Panel	69791	1
22	3 Phase ELCB / MCB Panel	69792	1
23	Sub-Station Intercom Panel	69793	1
24	Sub-Station Phone Panel	69794	1
25	Push Button & Door Phone Signaling Panel	69795	1
26	Master Phone Door Station Intercom Panel	69796	1

- 3 Contractor 9Amp, 230 VAC
- 4 Push button start, stop & emergency switch
- 5 Shrouded safety socket 4mm for double output

MCCB BLOCK PANEL

Order Code - 69755

- 1 MCCB Three phase 63Amp
- 2 Shrouded safety socket 4mm for Input/Output

AMMETER/MULTIFUNCTION METER PANEL

Order Code - 69774

- 1 3 Phase Multifunction Meter
- 2 V, A, Hz, Pf, KVA, KW, KWH
- 3 LED Display, 3 Phase, 4 Wire Aux Supply 230V, 45-65 Hz, 5W, CT Input 5A
- 4 DPM Ammeter AC, 0-20AMP
- 5 Shrouded safety socket 4mm for Input/Output

1 PHASE SWITCH/SOCKET 13A PANEL

Order Code - 69775

- 1 5 Pin Socket with Switch, 13A - 2nos.
- 2 Shrouded safety socket 4mm for Input/Output

INCANDESCENT LAMP & MERCURY LAMP BLOCK

Order Code - 69776

- 1 Incandescent Lamp Holder with 15W/230V Lamp 4nos.
- 2 Mercury Lamp Holder with lamp
- 3 Shrouded safety socket 4mm for Input

3 PHASE INDUSTRIAL SOCKET & 1 PHASE SWITCH/SOCKET 13A PANEL

Order Code - 69777

- 1 5 Pin Socket with Switch, 13A
- 2 3 Phase Industrial socket 2 Nos., 16A

- 3 Shrouded safety socket 4mm for Input/Output

INCANDESCENT LAMP BLOCK

Order Code - 69778

- 1 Incandescent Lamp Holder - 4nos.
- 2 15W/230V Incandescent Lamps - 4nos.
- 3 Shrouded safety socket 4mm for Input

1 PHASE SWITCH/SOCKET 16A PANEL

Order Code - 69779

- 1 1-Phase Socket with Switch, 16A with Led Indication - 2nos.
- 2 Shrouded safety socket 4mm for Input/Output

1 PHASE SWITCH/SOCKET 16A PANEL

Order Code - 69779

- 1 1-Phase Socket with Switch, 16A with Led Indication - 2nos.
- 2 Shrouded safety socket 4mm for Input/Output

SWITCH PANEL - 1

Order Code - 69780

- 1 1 Way 2 Terminal 10A Switch 4nos.
- 2 Bell/ Door SPST Switch 2nos.
- 3 Dimmer (Regulator), 230VAC 2nos.
- 4 Illuminated Switch 2 Nos.
- 5 Shrouded safety socket 4mm for Input/Output

3 PHASE VOLTAGE / CURRENT SELECTOR & CAM SWITCH PANEL

Order Code - 69781

- 1 3 Phase voltage Selector Switch (RY, YB, BR)
- 2 3 Phase Current Selector Switch (R, Y, B)
- 3 ON/OFF Cam Switch 415V, 10Amp 2nos.
- 4 Shrouded safety socket 4mm for Input/Output

Note: Specifications are subject to change.

STEPPING RELAY PANEL

Order Code - 69782

- 1 SPST Relay 4nos, 24VAC Operated
- 2 Toggle Switch For Relay Switching Sequence 2nos.
- 3 Shrouded safety socket 4mm for Input

2 WAY 3/4 WAY TERMINAL 10A SWITCH PANEL

Order Code - 69783

- 1 2 Way 3 Terminal 10A Switch 4nos.
- 2 2 Way 4 Terminal 10A Switch 4nos.
- 3 Shrouded safety socket 4mm for Input/Output

SWITCH PANEL - 2

Order Code - 69784

- 1 1 Way 2 Terminal 10A Switch 4nos.
- 2 Bell/ Door SPST Switch 2nos.
- 3 Toggle Switch SPDT 4nos.
- 4 Shrouded safety socket 4mm for Input/Output

SWITCH AND TRANSFORMER BLOCK

Order Code - 69785

- 1 1 Way 2 Terminal 10A Switch 4nos.
- 2 Control Transformers Input 240 VAC Output 6V/12V/ 24VAC 2nos.
2 NO & 2 NC Contacts Terminal 2 NO & 2 NC Contacts Terminal
- 3 Shrouded safety socket 4mm for Input/Output

LATCH & TIMER RELAY PANEL

Order Code - 69786

- 1 Latch relay 220VAC 2 NO & 2 NC Contacts Terminal LED Indication for Each Relay
- 2 Timer Relay 20-230VAC 2 NO & 2 NC Contacts Terminal
- 3 Shrouded safety socket 4mm for Input/Output

PUSH BUTTON/ BUZZER/ ELECTRIC DOOR LOCK & DOOR BELL PANEL Order Code - 69787

- 1 Push Button switch with 1 NO & 1 NC Contacts 2NOS.
- 2 Buzzer 12 VAC Input
- 3 Door Bell ,12VAC Input
- 4 Electric Door Lock 12VAC Input
- 5 Shrouded safety socket 4mm for Input/Output

24V/240V AC CONTROL RELAY PANEL

Order Code - 69788

- 1 Relay 24VAC 2 C/O 2nos.
- 2 Relay 240VAC 2 C/O 2nos.
- 3 Shrouded safety socket 4mm for Input/Output

1 PHASE INDUSTRIAL SOCKET & 1 PHASE SWITCH/SOCKET 16A PANEL

Order Code - 69789

- 1 1 Phase Industrial Socket, 16A 2nos.
- 2 5 Pin Switch/Socket 16A With Led Indication
- 3 Shrouded safety socket 4mm for Input/Output

VOLTMETER/AMMETER AND PILOT SIGNALING LAMP PANEL

Note: Specifications are subject to change.

Order Code - 69790

- 1 DPM Size 48 x 96mm AC Voltmeter 500 Volts
- 2 DPM Size 48 x 96mm AC Ammeter 5AMP
- 3 Pilot Signaling Lamps, 230VAC 3nos.
- 4 Shrouded safety socket 4mm for Input/Output

1 PHASE ELCB/MCB PANEL

Order Code - 69791

- 1 ELCB 63 Amp 1 Phase 2 Pole
- 2 MCB 16 Amp 1Phase 1 Pole 2nos.
- 3 MCB 6 Amp 1Phase 1 Pole 5nos.
- 4 Shrouded safety socket 4mm for Input/Output

3 PHASE ELCB / MCB PANEL Order Code - 69792

- 1 ELCB, 63 Amp 3 Phase 4 Pole
- 2 MCB 16 Amp 3 Phase 3 Pole
- 3 Shrouded safety socket 4mm for Input/Output

SUB-STATION INTERCOM PANEL

Order Code - 69793

- 1 4 Extension Intercom System
- 2 LED Indications for Power, Com & Each Extension
- 3 I/P Supply 230VAC with ON-Off, Ind.

SUB-STATION PHONE PANEL Order Code - 69794

- 1 Telephone System
- 2 Receiver/Handset with Dial pad
- 3 Support Connectivity with Intercom System

PUSH BUTTON & DOOR PHONE SIGNALING PANEL

Order Code - 69795

- 1 Micro Switch 250V 4Amp with Indicator
- 2 230 VAC AC Supply Input Shrouded socket 4mm for Signaling
- 3 Door Station System Having Camera, Bell, Mic & Speaker
- 4 Power & Communication Interface Port DB9 Connector, Male

MASTER PHONE DOOR STATION INTERCOM PANEL

Order Code - 69796

- 1 Master Phone Door Station System
- 2 LCD Display, Camera, Mic & Speaker
- 3 Communication Interface Port DB9 Connector, Male
- 4 DB9 Cable Female To Female for Communicating Door Station
- 5 I/P Supply 230VAC with ON-Off, Ind.

ALUMINUM INDUSTRIAL INSTALLATION TRAINER RACK

Order Code - 69700

Aluminium trainer rack made up aluminium profile size 40x40mm, foldable and light in weight 10 panel setup can be interchange conveniently to perform experiments. Dimension Length 1100x Height 1000 x Depth 350mm.